

Specimen Collected: 07-Sep-21 13:01

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|---|-----------------------------------|---|
| Arsenic, Rndm Urn w/Rflx to Fractionated | Received: 07-Sep-21 13:01 | Report/Verified: 08-Sep-21 11:18 |
|---|-----------------------------------|---|

| Procedure | Result | Units | Reference Interval |
|------------------------------|-----------------------------|----------|--------------------|
| Creatinine,Urine -per volume | 175 | mg/dL | |
| Arsenic Urine -per volume | 50.0 ^{# i1} | ug/L | 0.0-34.9 |
| Arsenic,Urine -ratio to CRT | 28.6 | ug/g CRT | 0.0-29.9 |

| | | |
|-------------------------------------|-----------------------------------|---|
| Arsenic, Fractionated, Urine | Received: 07-Sep-21 13:01 | Report/Verified: 08-Sep-21 11:19 |
|-------------------------------------|-----------------------------------|---|

| Procedure | Result | Units | Reference Interval |
|--------------------|---------------------|-------|--------------------|
| Arsenic,Organic | 50.0 | ug/L | |
| Arsenic,Inorganic | <10.0 | ug/L | |
| Arsenic,Methylated | <10.0 ⁱ² | ug/L | |

Test Information

i1: Arsenic Urine - per volume
 INTERPRETIVE INFORMATION: Arsenic, Urine w/ Reflex to Fractionated

The ACGIH Biological Exposure Index (BEI) for arsenic in urine is 35 µg/L. The ACGIH BEI is based on the sum of inorganic and methylated species. For specimens with elevated total arsenic results, fractionation is automatically performed to determine the proportions of inorganic, methylated and organic species.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

i2: Arsenic, Methylated
 INTERPRETIVE INFORMATION: Arsenic, Fractionated Urine

The ACGIH Biological Exposure Index for the sum of inorganic and methylated species of arsenic is 35 ug/L. Inorganic species of arsenic are most toxic. Methylated species arise primarily from metabolism of inorganic species but may also come from dietary sources and are of moderate toxic potential. The organic species of arsenic are considered nontoxic and arise primarily from food. The sum of the inorganic, methylated, and organic species of arsenic may be lower than the total arsenic concentration due to the presence of unidentified organic species of arsenic.

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*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at:

ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

ARUP Accession: 21-250-900067

Report Request ID: 15048258

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